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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/210,771	12/14/98	KAWAI	M 102317

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LM02/0306

EXAMINER

KLIMOWICZ, W

ART UNIT

PAPER NUMBER

2754

DATE MAILED:

03/06/00

4

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/210,771

Applicant(s)

KAWAI ET AL.

Examiner

William J. Klimowicz

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- 1) ☒ Responsive to communication(s) filed on 14 December 1998.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☒ All b) ☐ Some * c) ☐ None of the CERTIFIED copies of the priority documents have been:
1. ☒ received.
2. ☐ received in Application No. (Series Code / Serial Number) _____.
3. ☐ received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. & 119(e).

Attachment(s)

- 14) ☒ Notice of References Cited (PTO-892)
- 15) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 16) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 17) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 18) ☐ Notice of Informal Patent Application (PTO-152)
- 19) ☐ Other: _____.

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 1-3, 5-7, 10 and 11 are rejected under 35 U.S.C. 102(e) as being anticipated by Scheidecker et al. (US 5,734,523).

Scheidecker et al. (US 5,734,523) discloses a magnetic head device and a method of manufacturing the same, including a head slider with an MR magnetic head element, a first plurality of electrodes of the slider and a second plurality of electrodes of a supporter (e.g., see FIGS. 8 and 9), wherein the magnetic head slider is fixed to the slider supporter and the first electrode(s) of the slider are electrically connected to each other with an anisotropic conductive resin. (65, 66) (see also COL. 5, lines 42-45; COL. 5, lines 53-55; COL. 6, line 49; COL. 7, lines 46-48; and COL. 8, lines 14-16).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4, 8 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Scheidecker et al. (US 5,734,523).

With regard to claims 4, 8 and 9, Scheidecker et al. (US 5,734,523) remains silent with respect to the positioning of the ground electrode as being at "the other end portion of the slider" (claim 4), or wherein the thermosetting resin disclosed by Scheidecker et al. (US 5,734,523) is "an acrylic resin" (as per claim 8), or wherein the conductive powder (65) of Scheidecker et al. (US 5,734,523) is made of silver (as per claim 9).

Official notice is taken that the positioning of ground pads on sliders at prescribed end locations and the use of thermosetting acrylic resins and the use of silver as the conductive material within adhesive resins are notoriously old and well known in the art.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to position the ground connections of Scheidecker et al. (US 5,734,523) at a particular end of the slider, or to provide the thermosetting resin of Scheidecker et al. (US 5,734,523) as being conventional acrylic or wherein the conductive particles (65) of the conductive adhesive as disclosed by Scheidecker et al. (US 5,734,523) being silver, as is conventional. The rationale is as follows: one of ordinary skill in the art would have been motivated to position the ground connections of Scheidecker et al. (US 5,734,523) at a particular end of the slider, or to provide the thermosetting resin of Scheidecker et al. (US 5,734,523) as being conventional acrylic or wherein the conductive particles (65) of the conductive adhesive as disclosed by Scheidecker et

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al. (US 5,734,523) being silver, as is conventional in order to provide for sufficiently wide grounding area (as even suggested by , which won't interfere with the data signal connections, see COL. 8, lines 6-18. or to provide for an inexpensive, yet readily heat curable adhesive which becomes solid and insoluble upon heating, as is known with acrylic, and to provide a highly conductive material as the conductive filler (65) of Scheidecker et al. (US 5,734,523). Given the teachings of Scheidecker et al. (US 5,734,523), the differences between claims 4, 8 and 9 are within the general knowledge of one having ordinary skill in the art and do not demonstrate a novel or unobvious modification.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William J. Klimowicz whose telephone number is (703) 305-3452. The examiner can normally be reached on M-F (6:30AM-5:00PM).

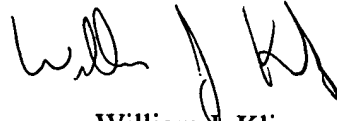
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stuart S. Levy can be reached on (703) 308-1295. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-9051 for regular communications and (703) 308-9051 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

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A handwritten signature in black ink, appearing to read 'William J. Klimowicz', written in a cursive style.

William J. Klimowicz
Primary Examiner
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WJK
March 2, 2000